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Feb 13, 1996

DOCUMENT-IDENTIFIER: US 5491083 A

TITLE: Immobilization of biomolecules on a fluorocarbon surface with a poly(fluoroalkyl) sugar reagent

## CLAIMS:

1. A process for immobilizing a biomolecule on a solid fluorocarbon polymer surface comprising the steps of:

forming a conjugate by attaching to a biomolecule a poly(fluoroalkyl) sugar reagent, containing a sugar having multiple hydroxy groups to which are attached a plurality of fluoroalkyl anchor groups capable of adsorbing to a solid fluorocarbon polymer surface and a reactive group capable of attaching to a biomolecule, and adsorbing the conjugate on a solid fluorocarbon polymer surface to obtain said immobilized biomolecule, wherein the sugar reagent is selected from the group consisting of:

##STR10## wherein  $x=1-10$ ;

R is ##STR11## wherein  $m=1-5$ ;

$n=3-20$ ; and

R' is: ##STR12## wherein  $x=1-10$ ;

R is  $\text{CO}(\text{CH}_2)_m(\text{CF}_2)_n\text{CF}_3$  wherein

$m=1-5$ ;

$n=3-20$ ; and

R' is ##STR13## wherein:  $x=2-10$ ;

R is  $\text{CO}(\text{CH}_2)_m(\text{CF}_2)_n\text{CF}_3$  wherein

$m$  is  $1-5$ ;

$n$  is  $3-20$ ; and

R' is: ##STR14##